# Results summary: 1cmt\_iv\_est

1cmt\_iv\_est

### Run statistics

|  |  |
| --- | --- |
| Output file | 1cmt\_iv\_est.lst |
| Reference model | - |
| Description | 1cmt\_iv\_est |
| NONMEM version | version 7.5.1 |
| Author |  |
| Dataset | C:\Users\maria\Desktop\G\Mitarbeiter\Klose\Miscellaneous\NLME\_reproduction\_R\data\output\_from\_sim\sim\_data.csv |
| Dataset ignored | - |
| Dataset accepted | - |
| # individuals | 15 |
| # observations | 75 |
| Output file date | 2024-12-23, 22:05:42 |
| Run started | - |
| Run finished | - |
| Table files | estim\_out |
| Attached folders | modelfit\_dir1, modelfit\_dir2, modelfit\_dir3, modelfit\_dir4, modelfit\_dir5, modelfit\_dir10, modelfit\_dir11, modelfit\_dir12, modelfit\_dir6, modelfit\_dir7, modelfit\_dir8, modelfit\_dir9, modelfit\_dir13, modelfit\_dir14, modelfit\_dir15, modelfit\_dir16, modelfit\_dir17, modelfit\_dir18, modelfit\_dir19, modelfit\_dir20 |
| Drug |  |
| Protocol |  |
| Notes in Pirana | - |

### Estimation results (#1 Laplacian Conditional Estimation)

|  |  |
| --- | --- |
| Objective function value: | -23.437 |
| Termination message: | minimization successful no. of function evaluations used: 101 no. of sig. digits in final est.: 5.3 |
| Checks: | No boundary problems reported by NONMEM |
|  | All gradients non-zero during estimation |
| Condition number: | 2.68 |

### Parameter estimates (#1 Laplacian Conditional Estimation)

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Theta | Description | Estimate | FIX | SE | RSE | 95%CI | [lower, | init, | upper] |
| 1 | TVCL | 0.253 | - | 0.0208 | 8.2% | 0.212-0.294 | 0 | 0.01 | 1 |
| 2 | TVV | 3.15 | FIX | 0 | 0% | 3.15-3.15 | 3.15 | 3.15 | 3.15 |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Omega | Description | Estimate | SE | RSE | Etabar | p val | Shrinkage |
| 1,1 | 1 OM\_CL | 0.101 | 0.0319 | 31.6% | 1.34E-05 (0.0819) | 0.9999 | 0.2% |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Sigma | Description | Estimate | SE | RSE | Shrinkage |
| 1,1 | 1 SIG\_ADD | 0.1 | . | . | 20.8% |



\* Correlations in omega are shown as the off-diagonal elements. SAME blocks are not shown.